## THESE RECORDS MAY BE RELEASABLE UNDER THE FOIA REQUEST 15 DAYS AFTER SIGNATURE DATE UNLESS WE HEAR OTHERWISE FROM FAA NTSB COUNSEL



Administration

epartment Mike Monroney
Insportation Aeronautical Center

P.O. Box 25082 Oklahoma City, Oklahoma 73125

Friday, October 24, 2008

National Transportation Safety Board 2001 Route 46, Suite 504

Parsippany, NJ 07054

ACCIDENT # 0218 INDIVIDUAL#: 001 NAME: MACPHERSON, EARL W. JR. MODE: AVIATION

DATE OF ACCIDENT 09/07/2008 DATE RECEIVED 09/12/2008 PUTREFACTION: No

**N#** 844LB **NTSB#** NYC08FA307 **CAMI REF#** 200800218001

**LOCATION OF ACCIDENT** PHOENIXVILLE, PA

SPECIMENS Bile, Blood, Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spleen, Urine, Vitreous

## FINAL FORENSIC TOXICOLOGY FATAL ACCIDENT REPORT

CARBON MONOXIDE: The carboxyhemoglobin (COHb) saturation is determined by spectrophotometry with a 10% cut off and confirmed by chromatography.

>> 28 (%) CARBON MONOXIDE detected in Blood

CYANIDE: The presence of cyanide is screened by Conway Diffusion. Positive cyanides are quantitated by spectrophotometry and confirmed by chromatography. The limit of quantitation of cyanide is 0.25 ug/mL. Normal blood cyanide concentrations are less than 0.15 ug/mL, while lethal concentrations are greater than 3 ug/mL.

>> NO CYANIDE detected in Blood

VOLATILES: The volatile concentrations are determined by headspace gas chromatography at a cut off of 10 mg/dL. Where possible, positive ethanol values are confirmed by Radiative Energy Attenuation.

>> NO ETHANOL detected in Vitreous

DRUGS: Immunoassay and chromatography are used to screen for legal and illegal drugs which include: amphetamine (0.010), opiates (0.010), marihuana (0.001), cocaine (0.020), phencyclidine (0.002), benzodiazepines (0.030), barbiturates (0.060), antidepressants (0.100), antihistamines (0.020), meprobamate (0.100), methaqualone (0.100), and nicotine (0.050). The values in () are the threshold values in ug/mL used to report positive results. Values below this concentration are normally reported as not detected. GC/Mass Spec, HPLC/Mass Spec, or GC/FTIR, is used to confirm most positive results.

- >> METOPROLOL detected in Blood
- >> METOPROLOL detected in Urine

Russell Lewis, Ph.D. TC, FAA, Forensic Toxicology Research Team CAMI